

FIG. 1
PRIOR ART

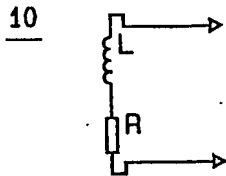


FIG. 2
PRIOR ART

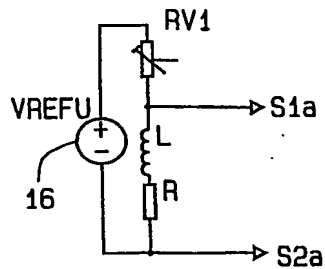


FIG. 3
PRIOR ART

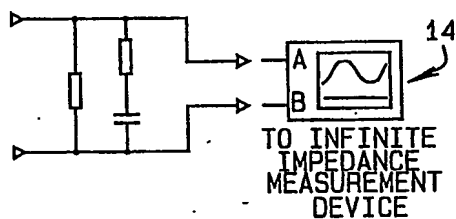


FIG. 4
PRIOR ART

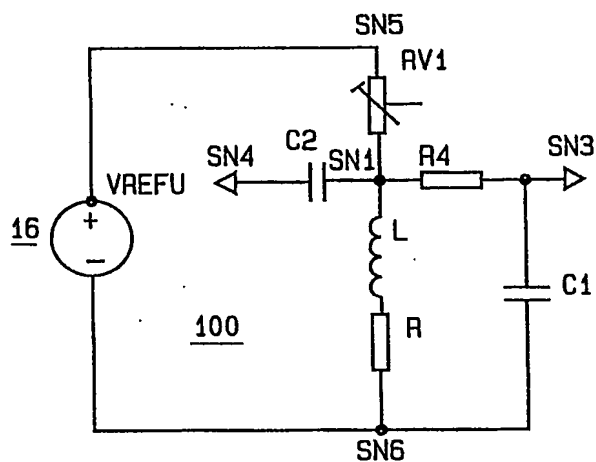


FIG. 5

VOLTAGE AT SENSING NODE 1
VERSUS GROUND:

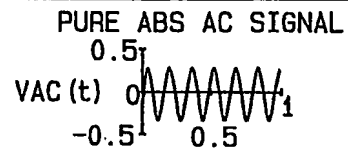
SIGNAL AT MODE SN1
 $V_{SN1}(t)$
CONTAINS AC AND DC INFO

ABS AC SIGNAL
 $V_{AC}(t)$

SUPERPOSED
DC SIGNAL
 $V_{DC}(t)$
(TEMPERATURE
DEPENDANT)

FIG. 6

VOLTAGE AT SENSING NODE SN4:



THIS IS THE ABS SIGNAL

FIG. 7

VOLTAGE AT SENSING NODE 2
VERSUS GROUND:

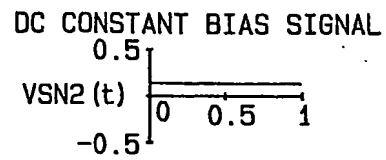


FIG. 9

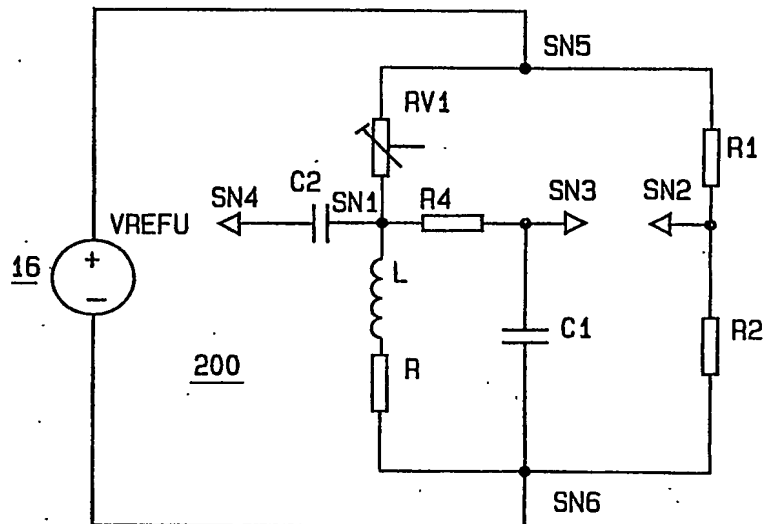


FIG. 8

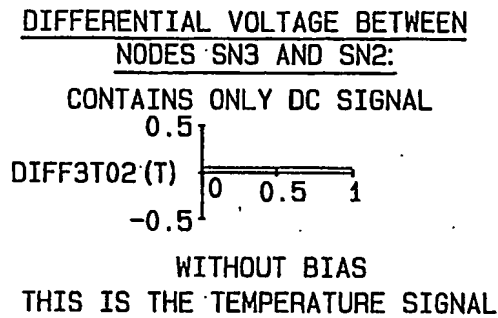


FIG. 10

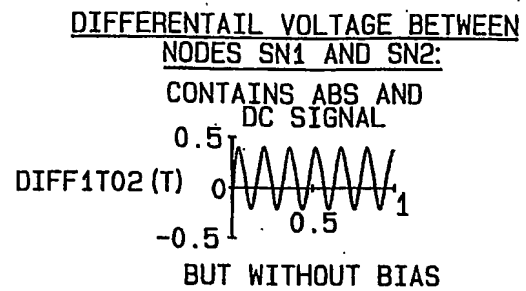


FIG. 11

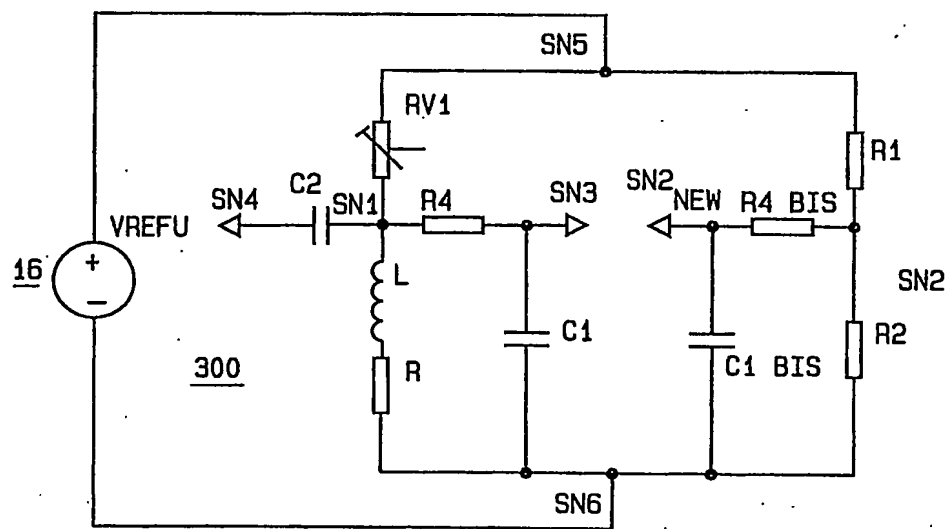
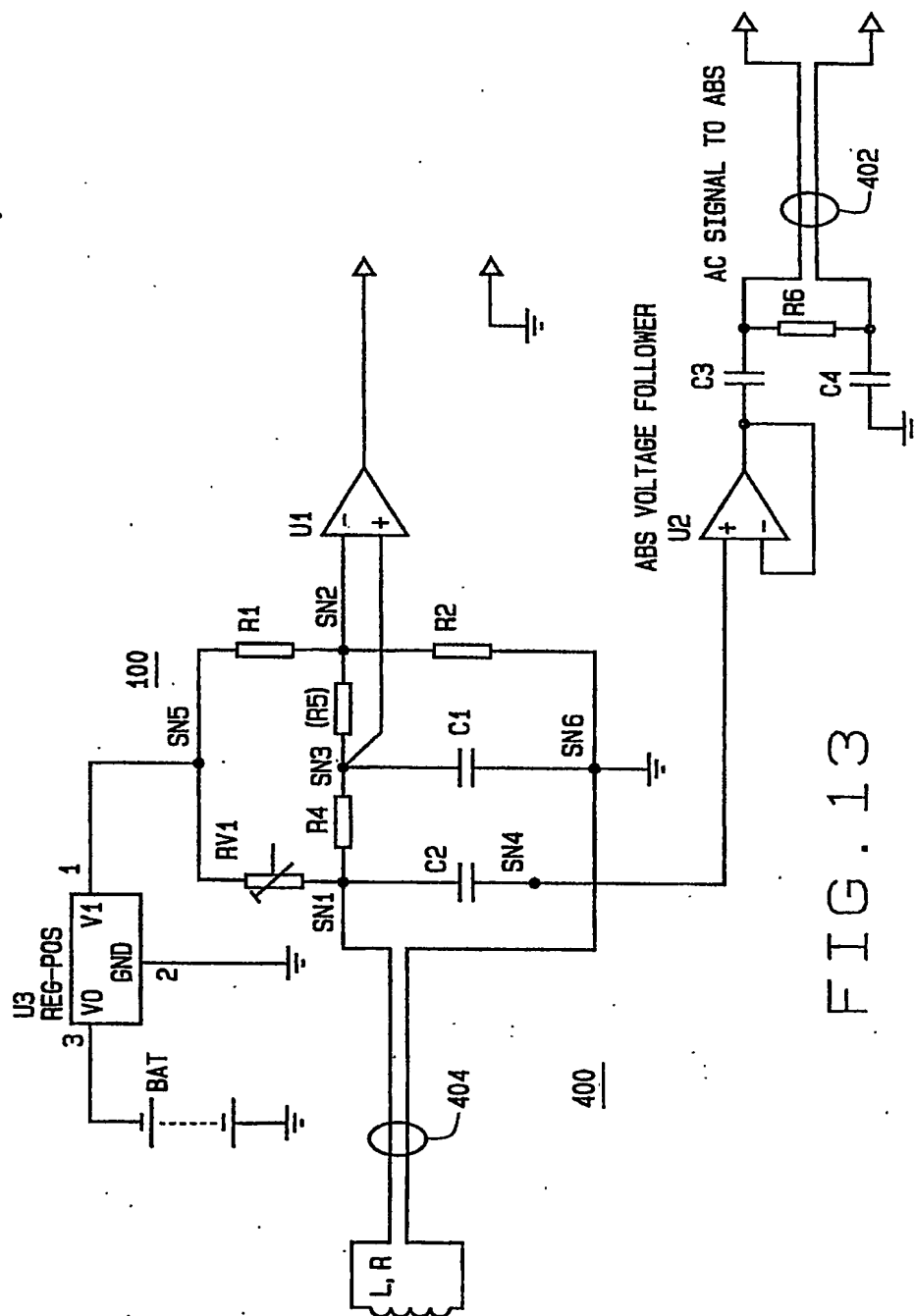


FIG. 12



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